

Rabbit anti-Human CD141/Thrombomodulin Monoclonal Antibody | anti-THBD antibody

CD141/Thrombomodulin Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28558	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

CD141/Thrombomodulin; Monoclonal Antibody; CD141/Thrombomodulin Rabbit PolymAb; TM; THRM; AHUS6; BDCA3; CD141; BDCA-3; THP12; anti-THBD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	APAEPQPGGS QCVEHDCFAL YPGPATFLNA SQICDGLRGH LMTVRSSVAA DVISLLNGD GGVGRRRLWI GLQLPPGCGD PKRLGPLRGF QWVTGDNNTS YSRWARLDLN GAPLCGPLCV AVSAAEATVP SEPIWEEQQC EVKADGFLCE FHFPATCRPL AVEPGAAAAA VSITYGTPFA ARGADFAQLP VGSSAAVAPL GLQLMCTAPP GAVQGHWARE APGAWDSCVE NGGCEHACNA IPGAPRCQCP AGAALQADGR SCTASATQSC NDLCHEFCVP NPDQPGSYSC MCETGYRLAA DQHRCEDVDD CILEPSPCPQ RCVNTQGGFE CHCYPNYDLV DGECEVPVDP CFRANCEYQC QPLNQTSYLC VCAEGFAPIP HEPHRCQMFC NQTACPADCD PNTQASCECP EGYILDDGFI CTDIDECENG GFCSGVCHNL PGTFECICGP DSALARHIGT DCDSGKVDGG DSGSGEPPPS PTPGSTLTTP AVGLVHS
Applicable Applications for anti-THBD antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 1:2000-1:10000 IHC-P: 1:100-1:500 IF/ICC: 1:50-1:200 FC: 1:500-1:1000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 19-515 of human CD141/Thrombomodulin. (NP_000352.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



FCM (Flow Cytometry)
Flow cytometry: 1X10⁶ THP-1 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 ul/Test,left) or CD141/Thrombomodulin Rabbit PolymAb®(AAA28558,2 ug/mL,right).



FCM (Flow Cytometry)
Flow cytometry: 1X10⁶ Jurkat cells (negative control,left) and THP-1 cells (right) were surface-stained with CD141/Thrombomodulin Rabbit PolymAb® (AAA28558,2 ug/mL,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 ul/Test,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



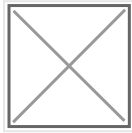
IF (Immunofluorescence)
Immunofluorescence analysis of THP-1 cells using CD141/Thrombomodulin Rabbit PolymAb® (AAA28558) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of A431 cells using CD141/Thrombomodulin Rabbit PolymAb® (AAA28558) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using CD141/Thrombomodulin Rabbit PolymAb® (AAA28558) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of lysates from A-431 cells, using CD141/Thrombomodulin Rabbit PolymAb® (AAA28558) at 1:5000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-THBD antibody	The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia.
Product Categories/Family for anti-THBD antibody	Immunology Inflammation; CD5; Stem Cells; Cardiovascular; Blood; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507483
NCBI GeneID	7056
NCBI Accession #	NP_000352.1
NCBI GenBank Nucleotide #	NM_000361.2
UniProt Accession #	P07204; Q8IV29; Q9UC32
Molecular Weight	Calculated MW: 60kDa Observed MW: 90kDa
UniProt Protein Name	Thrombomodulin
UniProt Gene Name	THBD
UniProt Synonym Gene Names	THRM; TM
UniProt Entry Name	TRBM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd141-thrombomodulin-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/28558>